

**ABSTRACT**

- 1        There is disclosed a gene-delivery compound comprising: (A) a single-chain  
binding polypeptide having at least one effector segment which includes at least one  
cysteinyl residue; and (B) a nucleic acid-binding moiety which is coupled to the  
polypeptide via the cysteinyl residue. There is disclosed also a gene-delivery  
5 compound comprising: (A) a single-chain, binding polypeptide having at least one  
effector segment which includes at least one cysteinyl residue; (B) a lipid-  
associating moiety which is coupled to the polypeptide via the cysteinyl residue.  
Additionally disclosed are compositions comprising the above-mentioned  
9 compounds and a nucleic acid.